

## ALPHA – NUMERIC SEQUENCE PUZZLE

**Direction (Question 1 to 5): Study the following arrangement carefully and answer the question given below:**

**W 1 R % 4 J E # 7 M 2 I 9 B H 3 A \$ 9 F Q 5 D G 6 U S P**

**Q.1. Which of the following is the seventh to the right of the eighteenth from the right end?**

- (A) A                      (B) E                      (C) \$                      (D) #

**Explanation:**

The 18<sup>th</sup> element from the right end of the arrangement is 2, and the 7<sup>th</sup> element to the right of 2 is \$.

Therefore, the correct answer is **option (C)**.

**W 1 R % 4 J E # 7 M 2 I 9 B H 3 A \$ 9 F Q 5 D G 6 U S P**

**Q.2. If the order of the last fifteen elements is reversed, which of the following will be fifth to the right of twelfth from the left end?**

(A) U

(B) \$

(C) 3

(D) 6

**Explanation:**

**W 1 R % 4 J E # 7 M 2 I 9 P S U 6 G D 5 Q F 9 \$ A 3 H B**

The 12<sup>th</sup> element from the left end of this arrangement is I, and the 5<sup>th</sup> element to the right of I is 6.

Therefore, the correct answer is **option (D)**.

**W 1 R % 4 J E # 7 M 2 I 9 B H 3 A \$ 9 F Q 5 D G 6 U S P**

**Q.3. Three of the following four are alike in a certain way on the basis of above arrangement and hence form a group. Which one does not belong to that group?**

- (A) R W 4              (B) 5 F G              (C) 9 Q A              (D) 3 B \$

**Explanation:**

In all other groups, the first and second elements move 2 steps backward and 4 steps forward respectively to give the second and third elements.

Therefore, the correct answer is **option (C)**.

**W 1 R % 4 J E # 7 M 2 I 9 B H 3 A \$ 9 F Q 5 D G 6 U S P**

**Q.4. If the position of E and A are interchanged and similarly the position of R and U are interchanged then how many symbols will be there each of which is either preceded or followed by a vowel?**

- (A) None                      (B) One                      (C) Two                      (D) Three

**Explanation:**

**W 1 U % 4 J A # 7 M 2 I 9 B H 3 E \$ 9 F Q 5 D G 6 R S P**

Therefore, the correct answer is **option (D)**.

**W 1 R % 4 J E # 7 M 2 I 9 B H 3 A \$ 9 F Q 5 D G 6 U S P**

**Q.5. What should come in place of question mark on the basis of the above arrangement?**

**1 % E**

**7 2 B**

**3 \$ Q**

**?**

**(A) 5 G U**

**(B) D 6 S**

**(C) 5 G S**

**(D) D 6 P**

**Explanation:**

Each element of each term moves 7 steps forward to give the corresponding element of the next term.

Therefore, the correct answer is **option (D)**.

**Direction (Question 6 to 10): Study the following arrangement carefully and answer the question given below:**

**M 3 R # A P 4 9 @ K D 1 U H 5 \$ 2 N \$ W E Q 6 T V 7 \* 8 B X**

**Q.6. Which of the following elements is the fourth to the right of 12<sup>th</sup> from right end?**

- (A) 9                      (B) 6                      (C) \$                      (D) 5

**Explanation:**

The 12<sup>th</sup> element from the right end of the arrangement is \$, and the 4<sup>th</sup> element to the right of \$ is **6**.

Therefore, the correct answer is **option (B)**.

**M 3 R # A P 4 9 @ K D 1 U H 5 \$ 2 N \$ W E Q 6 T V 7 \* 8 B X**

**Q.7. How many such numbers are there in the above arrangement which are immediately preceded by a symbol?**

- (A) 2                      (B) 1                      (C) 3                      (D) None

**Explanation:**

The numbers which are preceded by a symbol are **\$2** and **\*8**.

Therefore, the correct answer is **option (A)**.

**M 3 R # A P 4 9 @ K D 1 U H 5 \$ 2 N \$ W E Q 6 T V 7 \* 8 B X**

**Q.8. If started from M, M is interchanged with 3 and R is interchanged with # and so on then which element will be twelfth from left?**

(A) 1

(B) \$

(C) N

(D) D

**Explanation:**

**Given: M 3 R # A P 4 9 @ K D 1 U H 5 \$ 2 N \$ W E Q 6 T V 7 \* 8 B X**

**Interchange: 3 M # R P A 9 4 K @ 1 D H U 5 \$ .....**

The 12<sup>th</sup> element from the left end of this arrangement is D.

Therefore, the correct answer is **option (D)**.



**M 3 R # A P 4 9 @ K D 1 U H 5 \$ 2 N \$ W E Q 6 T V 7 \* 8 B X**

**Q.9. What will come next in the following sequence-**

**MRP, 9KU, 52W, ?**

(A) QT7

(B) 6V8

(C) QT\*

(D) QV7

**Explanation:**

The correct answer is **option (C).**

**M 3 R # A P 4 9 @ K D 1 U H 5 \$ 2 N \$ W E Q 6 T V 7 \* 8 B X**

**Q.10. Three of the following four are alike in a certain way based on their position in the above arrangement. Which of the following does not belong to the group?**

- (A) M3X                      (B) R#8                      (C) P4V                      (D) KDQ

**Explanation:**

**M 3 R # A P 4 9 @ K D I U H 5 \$ 2 N \$ W E Q 6 T V 7 \* 8 B X**

It should be E in place of Q.

Therefore, the correct answer is **option (D).**

**Direction (Question 11 to 14): Study the following arrangement of letters, digits and symbols to answer the question given below:**

**A B 7 C D 9 Z Y \* P 2 M © K S 3 ↑ 5 N T @**

**Q.11. Which of the following letters is exactly midway between only letters falling between C and 5?**

- (A) K                      (B) M                      (C) P                      (D) Y

**Explanation:**

The letters lying between C and 5 are: D, Z, Y, P, M, K, S. The letter midway is P.

Therefore, the correct answer is **option (C)**.

**A B 7 C D 9 Z Y \* P 2 M © K S 3 ↑ 5 N T @**

**Q.12.** If each symbol of the above sequence is replaced with a letter and each digit is replaced with new symbol, then how many letters will be there in the sequence?

- (A) 4                      (B) 12                      (C) 16                      (D) 17

**Explanation:**

number of letters + numbers of symbols

$$= 12 + 4 = 16$$

Therefore, the correct answer is **option (C)**.

A B 7 C D 9 Z Y \* P 2 M © K S 3 ↑ 5 N T @

**Q.13.** If the first element from the left interchanges place with the tenth element from the left, similarly second with ninth, third with eight, fourth with seventh and so on, then which of the following will be seventh to the left of eight element from the right?

(A) C

(B) D

(C) 7

(D) 9

**Explanation:**

P \* Y Z 9 D C 7 B A 2 M © K S 3 ↑ 5 N T @

The 8<sup>th</sup> element from the right is K. The 7<sup>th</sup> element to the left of K is C.

Therefore, the correct answer is **option (A)**.

**A B 7 C D 9 Z Y \* P 2 M © K S 3 ↑ 5 N T @**

**Q.14. How many such digits are there in the sequence each of which is immediately preceded as well as followed by a letter?**

- (A) Nil                      (B) One                      (C) Two                      (D) Three

**Explanation:**

**B 7 C,    D 9 Z,    P 2 M**

Therefore, the correct answer is **option (D)**.